

10/575335

IAP20 Rec'd PTO 12 APR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Ludvik KUMAR, et al.
Serial No. : Concurrently herewith
Filed : Concurrently herewith
Title : COMMUTATOR FOR AN ...

April 12, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R:

In order to comply with discretionary regulations 37 CFR §§ 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of non-US documents (if any) listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to issue a patent in the instant application.

Also attached is an International Search Report dated March 18, 2005, from the corresponding International Application.

As this Statement is being filed prior to issuance of a first Office Action, no fee is due.

The present Disclosure Statement is being submitted in compliance with 37 CFR §1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will

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determine the best prior art consistent with 37 CFR §§1.104 (a) and 1.106 (b), and in the course

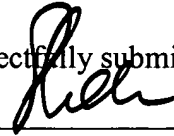
of such search will review for relevance every document cited on the attached form even if not

initialed.

Early and favorable consideration is respectfully solicited.

Any fee due with this paper, not fully covered by an enclosed check, may be charged on
Deposit Account 50-1290.

Respectfully submitted,



Hassan A. Shakir

Reg. No. 53,922

CUSTOMER NUMBER 026304

Docket No.: GRAT 22.447

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Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

1449/PTO	U.S. Department of Commerce Patent and Trademark Office	Application No. :
		Filing Date :
		First Named Inventor : L. KUMAR
		Group Art Unit :
		Examiner Name :
		Attorney Docket No. : GRAT 22.447

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		6,285,106		OKI	09-04-2001	
		5,895,990		LAU	04-20-1999	
		5,717,270		LAU ET AL.	02-10-1998	
		5,796,203		WANG	08-18-1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		9-51659	JP	ASMO CO LTD	02-18-1997	
		199 53 231	DE	SINTERTECHNIK GMBH	05-17-2001	
		2 055 648	DE	CONRADTY FA C	05-18-1972	Corresponds to GB Application 1 337 343
		1 337 343	GB	C. CONRADTY	11-14-1973	Corresponds to DE Application 2 055 648
		36 14 869	DE	MURATA MANUFACTURING CO	11-27-1986	
		0 364 292	EP	JOHNSON ELECTRIC S.A.	12-29-1993	
		2 183 933	GB	MABUCHI MOTOR KABUSHIKI KAISHA	06-10-1987	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached
		International Search Report dated March 18, 2005	

Examiner Signature	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.